

Human MALT1 Antibody

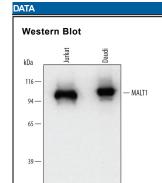
Monoclonal Mouse IgG₁ Clone # MALT1-C Catalog Number: MAB4850

DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human MALT1 in Western blots.		
Source	Monoclonal Mouse IgG ₁ Clone # MALT1-C		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Recombinant human MALT1 Asp701-Thr808 Accession # Q9UDY8		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

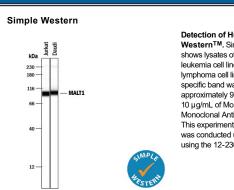
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below
Simple Western	10 μg/mL	See Below



Detection of Human MALT1 by Western Blot. Western blot shows lysates of Jurkat human acute T cell leukemia cell line and Daudi human Burkitt's lymphoma cell line. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human MALT1 Monoclonal Antibody (Catalog # MAB4850) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for MALT1 at approximately 100 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.



Detection of Human MALT1 by Simple Western TM. Simple Western Iane view shows lysates of Jurkat human acute T cell leukemia cell line and Daudi human Burkitt's lymphoma cell line, loaded at 0.2 mg/mL. A specific band was detected for MALT1 at approximately 98 kDa (as indicated) using 10 μg/mL of Mouse Anti-Human MALT1 Monoclonal Antibody (Catalog # MAB4850). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Mucosa-associated lymphoid tissue lymphoma translocation protein 1 (MALT1) is an approximately 91 kDa intracellular adaptor protein that forms a complex with Bcl10 and CARMA-1. The caspase-like domain of MALT1 cleaves Bcl10 and the NFkB inhibitor A20. This results in NFkB activation following signal transduction from cell surface ITAM-containing receptors including the T cell and B cell antigen receptors. Human MALT1 shares 87% as sequence identity with mouse and rat MALT1.

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